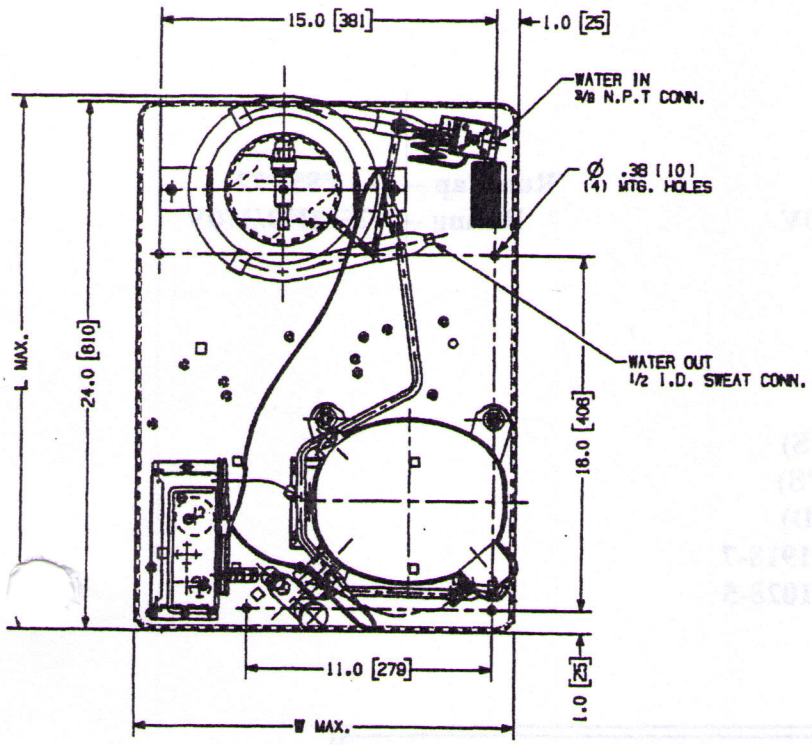
AWG9513EXNXW

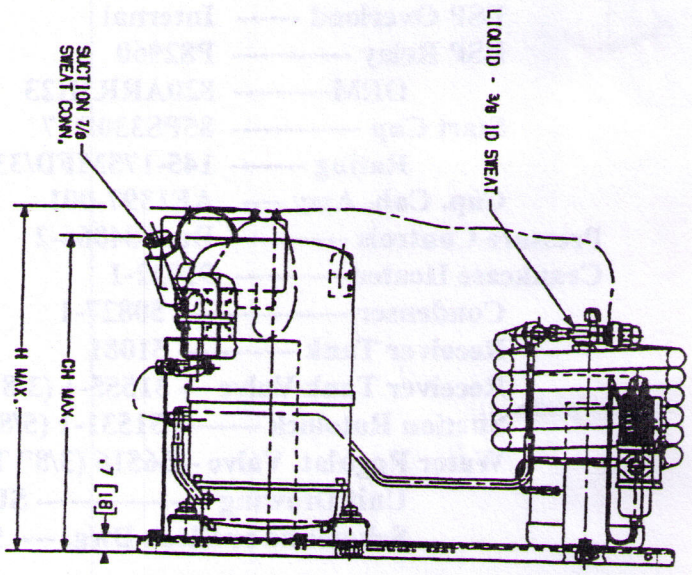
TECUMSEH HERMETIC CONDENSING UNITS

March 10, 2000

Rev 2/2001

MODEL AWG9513EXNXW (B/M 2B3227-1) R22 1 3/4 HP WATER COOLED





NOTE DIMENSIONS = INCHES (MILLIMETERS)

Model	Dimensions				*Line Connection		Pumpdown 90° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AWG9513EXNXW	24.3	17.9	15.5	14.3	7/8 S	3/8 F	----	---	38	121

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare Or Solder Connections

Use 3/8" Min Pipe Size

Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**

Water Valve Inlet 3/8" NPT

Performance: Ambient 90° F-Return Gas 65° F-Condenser Water In 75° F-Head 125 psig

Evaporator Temp, °F	0	10	20	30	40	55
BTU/HR	6749	9613	12996	17004	21743	30471
Water Usage – gpm	1.35	1.92	2.60	3.40	4.35	6.09
Watts	1191	1350	1494	1616	1710	1782

The water valve should be adjusted to maintain a maximum of 95° F water outlet temperature in order to minimize water scaling within the condenser.

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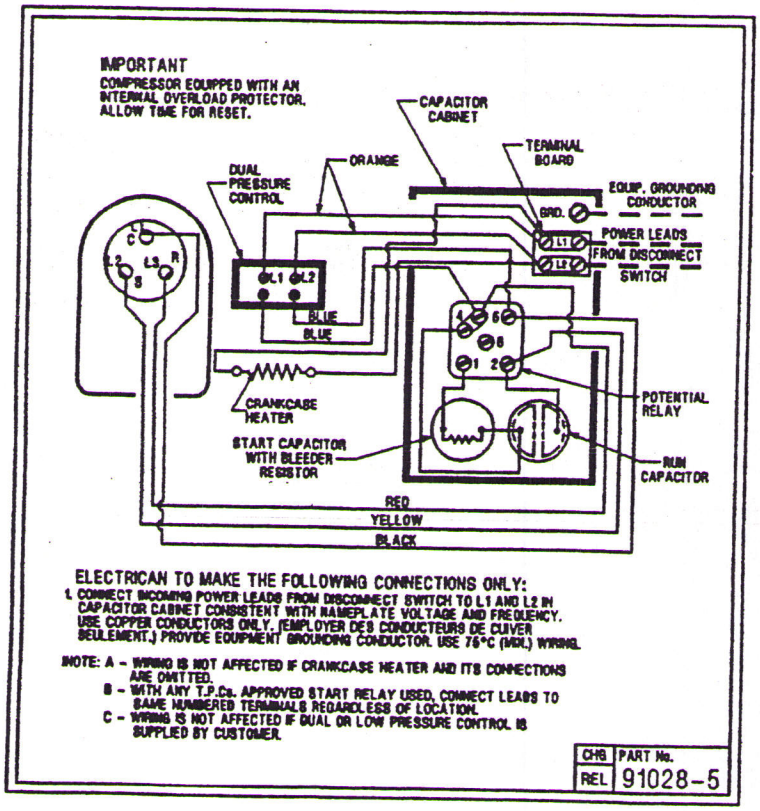
SPECIFICATIONS **AWG9513EXNXW**

Nominal Voltage ---------- 208/230-60-1
Unit B/M ---------- 2B3227-1
Voltage Range ---------- 253 to 187
Min. Circuit Ampacity ---- 12.1
Max. Fuse Size (Amps) --- 20
Compressor Model --------- AWG4520EXN
Bill of Material ---- AW703FT-111
RLA/LRA ---------- 9.5/52.0
ESP Overload ------ Internal
ESP Relay ---------- P82960
OEM--------- 820ARR3H23
Start Cap ---------- 85PS330D17
Rating ------- 145-175MFD/330V
Cap. Cab. Assy ---- AE1397-001
Pressure Controls ---------- Dual 84066-2
Crankcase Heater---------- 91022-1
Condenser ---------- 50827-1
Receiver Tank ---------- 51081
Receiver Tank Valve --- 31555-1 (3/8"S)
Suction Rotolock -------- 31531-1 (5/8"S)
Water Regulat. Valve – 56516 (3/8" TD)
Unit Drawing ---------- SU1918-7
Schematic or Elect. Dwg. ---- 91028-5

Run Cap ------- P85E72
Rating ---- 25MFD/370V


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CAPACITOR CABINET
TERMINAL BOARD
ORANGE
DUAL PRESSURE CONTROL
EQUIP. GROUNDING CONDUCTOR
GRD.
L1
L2
POWER LEADS FROM DISCONNECT SWITCH
C
S
R
BLUE
BLUE
CRANKCASE HEATER
START CAPACITOR WITH BLEEDER RESISTOR
POTENTIAL RELAY
RUN CAPACITOR
RED
YELLOW
BLACK
ELECTRICAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L2 IN CAPACITOR CABINET CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY. USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
NOTE: A – WIRING IS NOT AFFECTED IF CRANKCASE HEATER AND ITS CONNECTIONS ARE OMITTED.
B – WITH ANY T.P.Co. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
C – WIRING IS NOT AFFECTED IF DUAL OR LOW PRESSURE CONTROL IS SUPPLIED BY CUSTOMER.
CHG
REL
PART No.
91028-5